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K.H.
5/14/01

Sheet 1 of 2

INFORMATION DISCLOSURE CITATION PTO-1449	ATTY. DOCKET NO. A-66398-1/RMA	SERIAL NO. 09/724,663	RECEIVED APR X 3 2001 Technology Center 2600
	APPLICANT Duluk Jr. et al.		
	FILING DATE November 28, 2000	GROUP	

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
HN	4,945,500	31 Jul 90	Deering	364	522	11/20/89
HN	4,970,636	13 Nov 90	Snodgrass et al.	364	518	1/23/89
HN	5,083,287	21 Jan 92	Obata et al.	395	126	7/14/89
HN	5,402,532	28 Mar 95	Epstein et al.	395	122	9/30/94
HN	5,574,836	12 Nov 96	Broemmelsiek	395	127	1/22/96
HN	5,684,939	4 Nov 97	Foran et al.	395	131	8/8/96
HN	5,710,876	20 Jan 98	Peercy et al.	395	126	5/25/95
HN	5,767,859	16 Jun 98	Rossin et al.	345	434	
HN	5,828,378	27 Oct 98	Shiraishi	345	422	5/31/96
HN	5,854,631	29 Dec 98	Akeley et al.	345	419	11/22/95
HN	5,864,342	26 Jan 99	Kajiya et al.	345	418	6/27/96
HN	5,880,736	9 Mar 99	Peercy et al.	345	426	1/20/97
HN	RE 36,145	16 Mar 99	DeAguiar et al.	345	511	11/16/95
HN	5,920,326	6 Jul 99	Rentschler et al.	345	503	
HN	5,949,424	7 Sep 99	Cabral et al.	345	426	2/28/97
HN	5,977,977	2 Nov 99	Kajiya et al.	345	418	6/27/96
HN	6,002,410	14 Dec 99	Battle	345	513	8/25/97
HN	6,167,486	26 Dec 00	Lee et al.	711	120	11/18/96



Sheet 2 of 2							
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>HN</i>	Watt, "3D Computer Graphics" (2nd ed.), Chapter 4, Reflection and Illumination Models, p. 89-126						
<i>HN</i>	Foley et al., "Computer Graphics – Principles and Practice (2nd ed. 1996), Chapter 16, Illumination and Shading, pp. 721-814						
<i>HN</i>	Lathrop, "The Way Computer Graphics Works" (1997) Chapter 7, Rendering (Converting A Scene to Pixels), pp. 93-150						
<i>HN</i>	Peercy et al., "Efficient Bump Mapping Hardware" (Computer Graphics Proceedings, Annual Conference Series, 1997) pp. 303-306						
EXAMINER <i>Harper</i>			DATE CONSIDERED <i>04/18/2001</i>				

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Complete if Known

Application Number	09/724,663
Filing Date	November 28, 2000
First Named Inventor	DULUK, JR. et al.
Group Art Unit	2671
Examiner Name	Not Yet Assigned
Attorney Docket Number	A-66398-1/RMA

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Examiner Signature	<i>Flapp</i>	Date Considered	04/18/2005
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Filing Date	November 28, 2000.
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First Named Inventor	DULUK, JR. et al.
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Group Art Unit	2671
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Examiner Name	Not Yet Assigned
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Attorney Docket Number	A-66398-1/RMA
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Sheet

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3

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner
Initials*Cite
No. 1

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

I

HN

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Schilling et al., "Texram: a smart memory for texturing," *IEEE computer graphics and applications*, 5/96, 32-41.

HN

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Angel (interactive computer graphics: a top-down approach with OpenGL": ISBN: 0-201-85571-2 - sections 6.8 & 7.7.2).

**Examiner
Signature**

Date Considered .

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/724,663		
		Filing Date	November 28, 2000 RECEIVED		
		First Named Inventor	DULUK, JR. et al. MAY 22 2002		
		Group Art Unit	2671		
		Examiner Name	Not Yet Assigned Technology Center 2800		
Sheet	1	of	3	Attorney Docket Number	A-66398-1/RMA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
HN	1	4,783,829		Miyakawa et al.	11/1988	
HN	2	5,123,085		Wells et al.	06/1992	
HN	3	5,448,690		Shiraishi et al.	09/1995	
HN	4	5,455,900		Shiraishi et al.	10/1995	
HN	5	5,481,669		Poulton et al.	01/1996	
HN	6	5,579,455		Greene et al.	11/1996	
HN	7	5,596,686		Duluk, Jr.	01/1997	
HN	8	5,664,071		Nagashima	09/1997	
HN	9	5,699,497		Erdahl et al.	12/1997	
HN	10	5,767,859		Rossin et al.	06/1998	
HN	11	5,798,770		Baldwin	08/1998	
HN	12	5,841,447		Drews	11/1998	
HN	13	5,850,225		Cosman	12/1998	
HN	14	5,860,158		Pai et al.	01/1999	
HN	15	5,889,997		Strunk	03/1999	
HN	16	5,949,428		Toelle et al.	09/1999	
HN	17	5,990,904		Griffin	11/1999	
HN	18	6,002,412		Schinnerer	12/1999	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ² (if known)				

Examiner Signature	<i>Stamp</i>	Date Considered	04/18/2005
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